

Application No. 10/717,106
Amendment dated March 1, 2005

Amendments to the Claims:

Please cancel, without prejudice, claims 1-11, and 16.

Claims 1-11 (cancel)

Claim 12 (currently amended): A photoluminescent aluminate comprising $\text{SrAl}_2\text{O}_4\text{:Eu,Dy,Gd,Sc}$ wherein the following materials and quantities are combined and reacted to form the aluminate:

SrCO_3 (1.0 mole)
 Al_2O_3 (1.0 mole)
 Eu_2O_3 (0.005 mole)
 Dy_2O_3 (0.01 mole)
 Gd_2O_3 (0.005 mole)
 Sc_2O_3 (0.005 mole)
 B_2O_3 (0.2 mole)

Claim 13 (currently amended): A photoluminescent aluminate as recited in claim 12, wherein said SrCO_3 and Al_2O_3 are combined and reacted to form $\text{SrAl}_2\text{O}_4 + \text{O}_3$.

Claim 14 (original): A photoluminescent aluminate as recited in claim 13, wherein said SrAl_2O_4 is heat treated prior to being combined with the remaining material at approximately 1300°C.

Claim 15 (original): A photoluminescent aluminate as recited in claim 13, wherein said SrAl_2O_4 is heat treated prior to being combined with the remaining material at approximately 1450°C.

Claim 16 (cancel)